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# NOTICE OF ALLOWANCE AND FEE(S) DUE

80558

7590

10/09/2008

INGRASSIA FISHER & LORENZ, P.C. (Symbol) 7010 E. COCHISE ROAD SCOTTSDALE, AZ 85253-1406 EXAMINER

SYED, NABIL H

ART UNIT PAPER NUMBER

2612

DATE MAILED: 10/09/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/483.167	01/14/2000	Ronald Bjorklund	022.0200	8032

TITLE OF INVENTION: MULTI-TIER WIRELESS COMMUNICATIONS ARCHITECTURE, APPLICATIONS AND METHODS

I	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
	nonprovisional	NO	\$1510	\$0	\$0	\$1510	01/09/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

ppropriate. All further ndicated unless correcte naintenance fee notifica	correspondence including below or directed oth tions.	g the Patent, advance or erwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
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								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
09/483,167	01/14/2000	•	Ronald Bjorklund	l	•		022.0200	8032
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nonprovisional	NO	\$1510	\$0		\$0		\$1510	01/09/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
SYED, N		2612	340-007200					
. Change of correspondence address or indication of "Fee Address" (37 :FR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent	the names of up to 3 registered patent attorneys gents OR, alternatively,  the name of a single firm (having as a member a istered attorney or agent) and the names of up to gistered patent attorneys or agents. If no name is ed, no name will be printed.				
PLEASE NOTE: Unl	less an assignee is identi h in 37 CFR 3.11. Comp	A TO BE PRINTED ON T fied below, no assignee eletion of this form is NO	data will appear on th	ne pa g an a	tent. If an assigne ssignment.			ocument has been filed for
lease check the appropr	iate assignee category or	categories (will not be pr	inted on the patent):		Individual 🖵 Co	rporati	on or other private gro	up entity Government
a. The following fee(s):  Issue Fee Publication Fee (N Advance Order - 4	<ul> <li>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</li> <li>A check is enclosed.</li> <li>Payment by credit card. Form PTO-2038 is attached.</li> <li>The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).</li> </ul>							
_ ~ .	tus (from status indicated s SMALL ENTITY statu		h Applicant is no	long	er claiming SMAI	LENT	ΓΙΤΥ status. See 37 CF	FR 1.27(α)(2)
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Authorized Signature					Date			
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09/483,167	01/14/2000	Ronald Bjorklund	022.0200	8032	
80558 75	90 10/09/2008		EXAM	INER	
INGRASSIA FIS	SHER & LORENZ, F	SYED, NABIL H			
	7010 E. COCHISE ROAD			PAPER NUMBER	
SCOTTSDALE, A	Z 85253-1406		2612		
			DATE MAILED: 10/09/2008		

## **Determination of Patent Term Extension under 35 U.S.C. 154 (b)**

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)						
	09/483,167	BJORKLUND ET AL.						
Notice of Allowability	Examiner	Art Unit						
	NABIL H. SYED	2612						
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com GHTS. This application is	) in this application. If not included munication will be mailed in due course. <b>THIS</b>						
<del></del>	4.50.50							
2. The allowed claim(s) is/are <u>35-41,43,44,46,49,50,53,54 an</u>								
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority ur</li> <li>a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority do</li> </ul>	been received. been received in Applica	tion No						
International Bureau (PCT Rule 17.2(a)).		·						
* Certified copies not received:								
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		file a reply complying with the requirements						
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give								
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.							
(a) $\square$ including changes required by the Notice of Draftspers	(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached							
1) In hereto or 2) In to Paper No./Mail Date								
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date								
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t								
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT								
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.	Informal Patent Application Summary (PTO-413), o./Mail Date r's Amendment/Comment r's Statement of Reasons for Allowance						
Nabil H Syed	/Brian A Zim	 merman/						
Examiner Art Unit: 2612	Supervisory F	Patent Examiner, Art Unit 2612						

### **Reasons for Allowance**

1. The following is an examiner's statement of reasons for allowance:

As of claims 35, 49 and 56, the prior art of record fails to teach or suggest a multi-tier digital radio system comprising a host, a first-tier base station coupled to the host, a first second-tier base station coupled to the first-tier base station, a second second-tier base station coupled to the first second-tier base station and a remote unit in order to enable the host to control the remote unit via the first-tier base station, the first second-tier base station, and the second second-tier base station, wherein the second second-tier base station goes into a sleep mode for a predetermined interval and transmits an notification indicative of the duration of the sleep interval to the remote unit.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NABIL H. SYED whose telephone number is (571)270-3028. The examiner can normally be reached on M-F 7:30-5:00 alt Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Zimmerman can be reached on (571)272-3059. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 09/483,167 Page 3

Art Unit: 2612

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nabil H Syed Examiner Art Unit 2612

N.S

/Brian A Zimmerman/ Supervisory Patent Examiner, Art Unit 2612